

DO NOT ENTER: /J.M./

IN THE CLAIMS:

The following is a complete listing of claims in this application.

1. (currently amended) Cast part with high creep resistance, made by mold casting followed by solution heat treating, ~~in a mold~~ an alloy consisting essentially of (% by weight):

Mg < 0.1

Si: 4.5 - 10

Cu: 2.0 - 5.0

Ni < 0.4

Ti: 0.03 - 0.25

Zr: 0.05 - 0.25

Fe < 0.9

Zn < 0.3

~~optionally~~ V: ~~0.02~~ 0.04 - 0.30

Mn: 0.1 - 0.5

Hf, Nb, Ta, Cr, Mo and/or W: 0.03 - 0.30

other elements < 0.10 each and < 0.30 total, the remainder being aluminum,

the cast part having zirconium dispersion phases resulting from the solution heat treating and metastable θ - θ copper phases derived from Al_2Cu precipitation.

2. (previously presented) Cast part according to claim 1, wherein Mg is less than 0.03%.

3. (previously presented) Cast part according to claim 1, wherein Cu is between 3% and 4%.

4. (previously presented) Cast part according to claim 1, wherein Ni is less than 0.1%.

5. (previously presented) Cast part according to claim 1, wherein Fe is less than 0.3%.

6. (previously presented) Cast part according to claim 1, wherein Zn is less than 0.1%.

7. (previously presented) Cast part according to claim 1, wherein Zr is between 0.12% and 0.20%.

8. (previously presented) Cast part according to claim 1, wherein Ti is between 0.08% and 0.20%.

9. (previously presented) Cast part according to claim 1, wherein V is between 0.04% and 0.20%.

10. (previously presented) Cast part according to claim 1, wherein Mn is between 0.15% and 0.40%.

11. (previously presented) Cast part according to claim 1, which is an insert for a hot part of a traditionally alloyed part.

12. (previously presented) Cast part according to claim 1, which is a cylinder head for an internal combustion engine.

13. (new) Cast part according to claim 1, resulting from the solution heat treating taking place for 1 to 10 hours at 515°-525°C.

14. (new) Cast part according to claim 13, resulting from quenching in cold water or soft quenching following the solution heat treating.